

DUAL HEADED SATELLITE BREWER
1/2, 1, and 1 1/2 gallon brew with New Digital Display System
Bloomfield Models: SS2-BD 8 SS2-AD

-MANUFACTURED

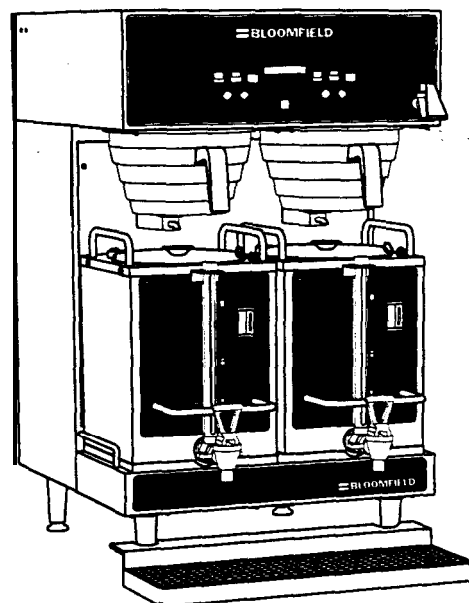
BY

BLOOMFIELD

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LISTED
990H



Shown with optional Drip Tray

TABLE OF CONTENTS

Introduction	Page 1	Initial installation Instructions	Page 7
General Layout Data Sheet	Page 2	Brewing Instructions	Page 8
Features	Page 3	Bypass Valve Adjustment	Page 8
Warranty	Page 4	Adjustment Instructions	Page 9
Safety	Page 5	Exploded View (Part 1)	Page 10
Installation Instruction	Page 6	Parts Identification (Part 1)	Page 11
Leveling the Unit	Page 6	Exploded View (Part 2)	Page 12
Plumber's Installation Instruction	Page 6	Parts Identification (Part 2)	Page 13
Electrician's Installation Instructions	Page 7	Ordering/Service Procedure	Page 14
		Wiring Diagram	Page 15

INTRODUCTION

BLOOMFIELD MODELS: SS2-BD 8 SS2-AD HI-QUALITY DUAL SATELLITE COFFEE BREWER WITH INDEPENDENT HOT WATER DRAW FAUCET

Thank you for purchasing a Bloomfield Coffee Brewer. You will achieve maximum performance from this unit if you familiarize yourself with- its many outstanding features. Please take a few minutes to read through the owner's manual. Proper installations is very important if maximum performance and satisfaction are to be achieved. If you have any difficulties, consult your nearest Bloomfield Authorized Distributor. They have the required expertise to provide the proper advice and assistance. If the Bloomfield Distributor is unable to assist you, please contact the factory directly.

Please be certain the electrical connections are compatible, as improper connections could damage the Brewer and void the warranty.

Safe and satisfactory operation of your Bloomfield Brewer depends to a great extent upon its proper installation. This Coffee Brewer must be installed without alteration and in accordance with these printed instructions and applicable electrical codes. The performance and safety of the Brewer can be greatly impaired if it is altered in any way, or if installation deviates from the instructions printed herein, and will not be covered under any warranty service agreement.

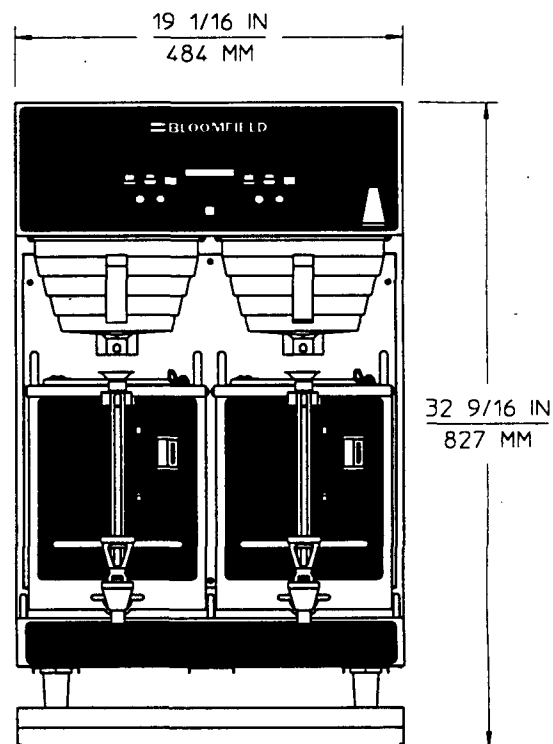
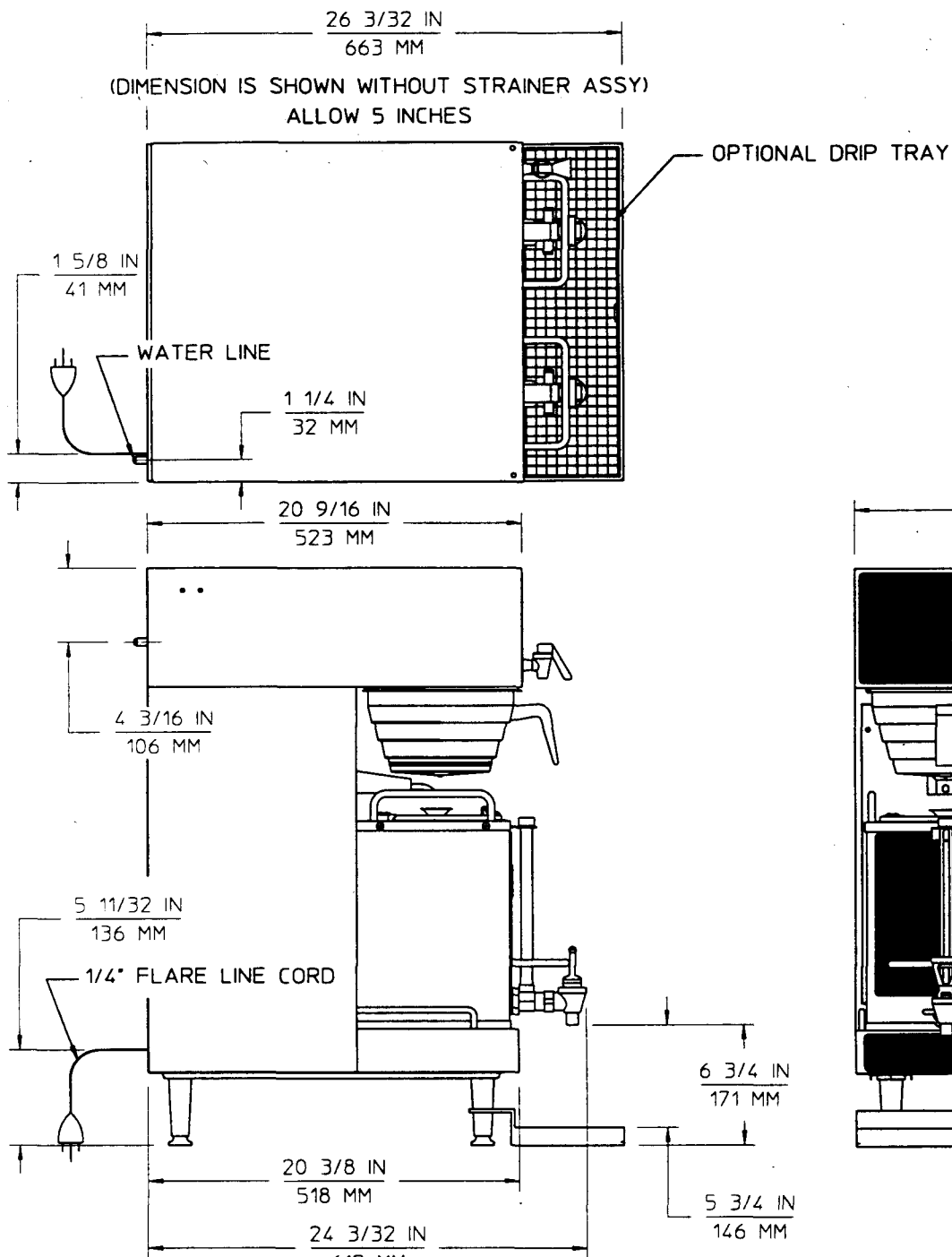
This Bloomfield Brewer has been designed with adjustment flexibility to cover a wide spectrum of customer needs.

GENERAL LAYOUT DATA

BLOOMFELD 1/2, 1 & 1 1/2 GALLON

DUAL SATELLITE COFFEE BREWER

MODEL: 882 SERIES



ELECTRICAL SPECIFICATIONS

MODEL	WATTS	VOLTS	HZ	AMPS
SS2-BD	6155	120/240	50/60	27.0
SS2-AD	5655	120/208	50/60	27.0

FEATURES

MODELS SS2-AD & SS2-BD DUAL SATELLITE COFFEE BREWER WITH HOT WATER FAUCET, manufactured by Bloomfield industries Inc., is designed to brew 3 portions of 1/2, 1 & 1 1/2 Gallons of coffee on each side at the press of a switch and to hold hot beverage at the correct temperature for serving.

- 0 Operates on 120/240 Volts, 30 Amps, 6155 Watts. 50/60 Hz service for SS2-BD and 120/208 Volts, 30 Amps, 5655 Watts, 50/60 Hz service for SS2-AD.
- 0 Requires a water flow rate of 1 gallon (4 ltr) per minute at a minimum pressure of 30 PSI. (2.0 bars).
- 0 Dual 3 Portion Brew (1/2 ,1 & 1 1/2 Gallons) at the press of a switch.
- 0 Consistent extraction on all 3 portions of brew through various flow systems which includes unique hot water bypass system.
- 0 Absence of any hot surfaces.
- 0 Unit will NOT Brew unless a Satellite is in place.
- 0 Hot water faucet mounted on the front of the brewer allows draw off of hot water for hot beverages or for rinsing purposes at anytime without affecting the coffee brew volume.
- 0 Adjustable non-skid rubber feet on brewer for easy leveling.
- 0 Exclusive "water spray disc" where water flows gently and uniformly over the coffee grounds, causing a floating action and complete saturation of all coffee grounds.
- 0 Adjustable coffee quality timer light which flashes at end of approved coffee holding time.
- 0 OPTIONAL Drip Tray.
- 0 Fully Electronically Controlled:
 - 0 Precise Temperature Control
 - 0 Precise Volume and Timing Control
 - 0 Each volume Individually programmable if required
 - 0 After hours mode with saves energy and increases component life
 - 0 Safety feature Includes monitoring of each operation
 - 0 Double Brew prevention
 - 0 Brew count Information
- 0 Teflon color coded wiring, keyed to color tabs at connection points.
- 0 Unit size requires minimal counter space.
- 0 OPTIONAL Satellite Docking Station
- 0 UL, CUL & NSF Listed (UL & CUL: E9253) (NSF: Standard 4)
- 0 Manufactured in USA

F E A T U R E S

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WARRANTY POLICY

All electrical products manufactured by Wells/Bloomfield are warranted against defects in material and workmanship by our authorized service agents with:

- o One (1) year replacement part warranty
- o One (1) year on labor
- o All genuine Wells/Bloomfield replacement parts are warranted for ninety (90) days from date of purchase on non-warranty equipment. This parts warranty is limited 'only to replacements of the defective part. Any use of non-genuine Bloomfield parts completely voids any warranty. .

Labor includes the cost of travel time and is limited to a sixty (60) mile radius (or up to a maximum of one hour) to the nearest authorized service agency or one of its sub-service agencies. This service will be provided on the customer's premises for non-portable models. All labor shall be performed during regular working hours. Overtime premium will be charged to the buyer.

In addition to this warranty policy are the following exceptions:

- A. Dispensers (i.e., tea and coffee) carry ninety (90) day parts replacement only.

Warranty does not include any coverage for:

- o Resetting the safety thermostats, circuit breakers, overload protectors, or fuse replacements unless warranted conditions are caused.
- o All problems due to operation at voltage other than specified on equipment nameplates - conversion to voltage other than marked on unit is the customer's responsibility.
- o All problems due to electrical connections not made in accordance with electrical code requirements and wiring diagrams supplied with the equipment.
- o All problems due to inadequate water supply, such as fluctuating, high or low water pressure, etc.
- o All problems due to mineral/calcium deposits, or contamination from chlorides and or chlorines. De-liming is considered a preventative maintenance function and not covered by warranty.
- o Replacement of items subject to normal wear which include such items as baskets, grids, switch panels, and thermocouples. Normal maintenance functions including adjustment of electronics or replacement of fuses.
- o Installation, labor, and job check-outs are not considered warranty.

THIS WARRANTY IS THE COMPLETE AND ONLY WARRANTY, EXPRESS OR IMPLIED IN LAW OR FACT, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND/OR FOR DIRECT, INDIRECT OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH WELLS/BLOOMFIELD PRODUCTS. This warranty is void if it is determined that upon inspection by an authorized Wells/Bloomfield dealer/distributor that the equipment has been modified, misused, misapplied, Improperly installed, or damaged In transit or by fire, flood or act of nature. It also does not apply if the serial nameplate has been removed or service is performed by unauthorized personnel..

NOTE:. A Warranty Statement and Complete Service Agency Listing with Warranty exclusions is provided with each unit. —

BREWER WARRANTY IS VOID IF:

Other than genuine Bloomfield replacement parts are used.

Brewer is connected to voltage that doesn't agree w/specifications on serial plate.

Recommended Bloomfield servicing procedures are not followed.

SAFETY

Knowledge of proper procedures is essential to the safe operation of electrically energized equipment. in accordance with generally accepted product safety labeling guidelines for potential hazards, the following 4 signal words are used throughout this chapter.



DANGER - Danger is used to indicate the presence of a hazard which will cause severe personal injury, death, or substantial property damage in the event the statement is ignored.



WARNING - Warning is used to Indicate the presence of a hazard which can cause severe personal injury, death, or substantial property damage in the event the statement is ignored.



CAUTION – Caution is used to Indicate the presence of a hazard which will or can cause minor personal injury, or property damage in the event the statement is ignored.

NOTE - Note is used to notify personnel of installation, operation or maintenance information which is important, but not hazard related.

NOTE - This piece of equipment is made in the USA and has American sizes on hardware. All metric conversions are approximate and can vary in size.

Hazard Communication Standard (HCS) - The procedures in this chapter may include the use of chemical products. These chemical products will be highlighted with bold face letters followed by the abbreviation (HCS). See the Hazard Communication Standard (HCS) Manual for the appropriate Material Safety Data Sheet(s) (MSDS).

INSTALLATION INSTRUCTION


READ THIS COMPLETELY BEFORE STARTING THE INSTALLATION

A CAUTION: DO NOT plug In or energize this unit until Installation Instructions are read and followed. Damage to the Brewer will occur If the Instructions are not followed.

To enable the installer to make a quality installation and minimize installation time, the following suggestions and tests should be done before the actual unit installation is begun.

LEVELING THE UNIT

Set Coffee Brewer in operating location and level. It is very important for proper operation that the Brewer be level when It is standing In its proper operation position. A spirit level should be placed on the top of the Brewer, at the edge, as a guide when making level adjustments. Level the unit from left to right and front to back by turning the adjustable feet that support the unit.

 CAUTION: Rubber feet must be Installed on each leg of the unit. Failure to do so will result In movement of Brewer which can cause personal Injury and/or damage to the Brewer.

PLUMBER'S INSTALLATION INSTRUCTION

NOTE: This equipment must be installed to comply with the Basic Plumbing Code of the Building Officials and Code Administrators International, Inc (BOCA) and the Food Service Sanitation Manual of the Food and Drug Administration. (FDA)

Flush water line before connecting to Brewer. Brewer should be connected to COLD WATER line.

NOTE: Bloomfield recommends 1/4" copper tubing for installation of less than 25 feet and 3/8" for more than 25 feet from the 1/2" water supply line. Do Not use a saddle valve for water line connection.

A water shut-off valve should be installed on the incoming water line in a convenient location.

The Brewer must be installed on a water line with a flowing pressure between 30 PSI and 70 PSI. A pressure regulator must be installed in the water supply line, If water pressure does not fall into this range, varies greatly, or exceeds 70 PSI at anytime.

A CAUTION: If local codes require a back flow preventor, a water hammer arrestor (Part no. 9012-44) MUST be Installed between the back flow preventor and the Brewer. The Back flow preventor should be Installed as close to the Incoming water source as possible. Failure to comply could cause damage to the Brewer.

We recommend the use of a Water Strainer to help prevent deposits in the Brewing System.

ELECTRICIAN'S INSTALLATION INSTRUCTIONS



WARNING ELECTRICAL SHOCK HAZARD: Brewer must be properly grounded to prevent possible shock hazard. DO NOT assume a plumbing line will provide such a ground. Electrical shock will cause death or serious injury.

The unit requires a dedicated power source capable of supplying: 120/240 Volt A.C. 50/60 Hertz, (4) wire, Single Phase, 30 Amp Service for Model SS1-BD and 120/206 Volt A.C. 50/60 Hertz, (4) wire, Single Phase, 30 Amp Service for Model SS1-AD.

INITIAL INSTALLATION INSTRUCTIONS..



CAUTION: Initial. Installation should be performed by a qualified Installer or qualified service technician. Improper Installation will damage the Brewer and void warranty. .

Electrician's and Plumber's Instructions should be followed carefully before proceeding with initial Installation Instructions.

Be sure all electrical and plumbing connections are secure and leak proof.

DO NOT CONNECT POWER TO UNIT WITH SATELLITES IN PLACE.

With Power Connected, "Bloomfield" will display momentarily and Brewer will "Beep".

Press Power Switch.

NOTE: Inlet solenoid will energize and tank will begin to fill. "Filling" will display. Fill time for tank is approximately 13 minutes, unit fills tank until water level is 1/8" above level probe tip. If tank is not full within 20 minutes, the unit will shut down and a "NO WATER SENSED" error is displayed.

NOTE: if a 'No Water Sensed' error is displayed, unplug Brewer. See plumber's installation instruction. If plumbing and water pressure is correct, check inlet solenoid for function and debris.

When tank is filled , "Tank Heater" LED will turn on and "HEATING" is displayed.

Insert Satellites. Check Satellite alignment and make sure Satellite LEDS are on.

Allow 30 minutes for initial water heat up. Time will vary with incoming water temperature. When tank water is up to desired Brew temperature, the "Tank Heater" LED will turn off.

NOTE: Before brewing and after initial Heat-up, draw water from the Hot Water Faucet until the inlet Solenoid is actuated. This prevents volume differences to the initial Brew caused by water expansion.

NOTE: Brewer will not function unless a Satellite is properly positioned on the Brewer.

The Brewer is now ready for use.

BREWING INSTRUCTIONS

Select Portion 1/2, 1 or 1 1/2 gallon.

Place a single filter paper in Brew Chamber and add Coffee. (see below for recommended ounce of Coffee per quantity Brew) Slide Brew basket into rails, pushing it to full back stop location.

Press Brew Switch to start brewing. This starts the Quality Timer. Light 'for each Satellite preset at factory - to change see PROGRAM MANUAL.

Press the "Brew Stop" switch if for any reason there is a need to stop the brewing cycle before its completion. This stops water flow to the Brew Chamber and Satellite light will flash. Also removing the Satellite will stop the brew cycle.

Check Brew Volume. See "Changing Brew Settings" on the PROGRAM MANUAL for any adjustments in the Volume.

Repeat for all portions.

NOTE: Hot water bypass is factory set to energize only in the 1 1/2 gallon position. However, it can be energized in all positions, see PROGRAM MANUAL.

BYPASS VALVE ADJUSTMENT

Disconnect Brewer from power source.

Remove Satellites, Brew Chamber and plug buttons on Front Panel

NOTE: Bypass valve adjustments are behind front panel and are reached through the two plug button holes.

With an alien wrench or flat screwdriver, turn bypass adjustment clockwise to decrease, counter-clockwise to increase volumn. Adjust in small increments. 1/32' can change volumn serveral percent.

Replace plug buttons and brew chambers and connect brewer to power source.

Replace Satellites, select portion and check volumn.

NOTE: Any adjustment to the bypass valves will change the total volumn. Brew time will have to be adjusted, see PROGRAM MANUAL.

RECOMMENDED COFFEE AMOUNT per BREW

To Brew 1/2 Gallon, use 2.25 oz (64 g)

To Brew 1 Gallon, use 4.50 or (128 g)

To Brew 1 1/2 Gallon, use 8.40 oz (240 g)

NOTE: This may vary depending on the type of Coffee and individual taste requirements.



WARNING Make sure water has completely stopped dripping before removing the Brew Chamber. Hot water in the Brew Chamber will **cause** serious burns.

Pressing the Item key brings the user to the settings for volume #2, #3, and so on until #6. Recall that volumes #1,2 and 3 correspond to the ½ gallon, 1 gallon and 1½ gallon selections for the left satellite, and that volumes #4, 5 and 6 correspond to the ½ gallon, 1 gallon and 1½ gallon selections for the right satellite.

Setting Symmetric Brew Settings

After completing the volume settings for the left batch, or if the left batch settings are skipped, we come to the option:

- Set L=R? Y/N Selecting Y will copy all of the left side settings to the right side.

The next menu item is Change R. Vols? which can take you into right side batch settings, that can be programmed different from left side.

Changing the Timer for Coffee Quality Indication

The coffee quality indicators (satellite LEDs) will turn on once a brew has been completed, and will stay on for a specified amount of time before flashing. A flashing satellite LED is an indication that the coffee should be re-brewed.

- QualityTime: 30m

This time is adjustable from 30 minutes to 180 minutes.

If the satellite is removed or reinstalled, the LED will turn off until another brew of coffee is made.

NOTE: If a brew is cancelled, the Satellite indicator will flash since the amount of time to properly brew was not correct.

After-Hours Options

The After-Hours mode is intended to increase the temperature range in which to maintain the water. This will reduce the rate in which the relay contacts will wear out. After hours mode is entered after an adjustable amount of time. First, a menu item is displayed to enable/disable After-Hours:

- After-Hours: On

By default, After-Hours is enabled. After-Hours can be disabled/re-enabled using the (+) or (-) key. If After Hours is Off (disabled), then the following menu item is skipped when the Item key is pressed, moving on to Timer menu functions. If After-Hours is enabled, the delay time after the last brew before entering into After-Hours mode is displayed:

- Delay Time: 3h

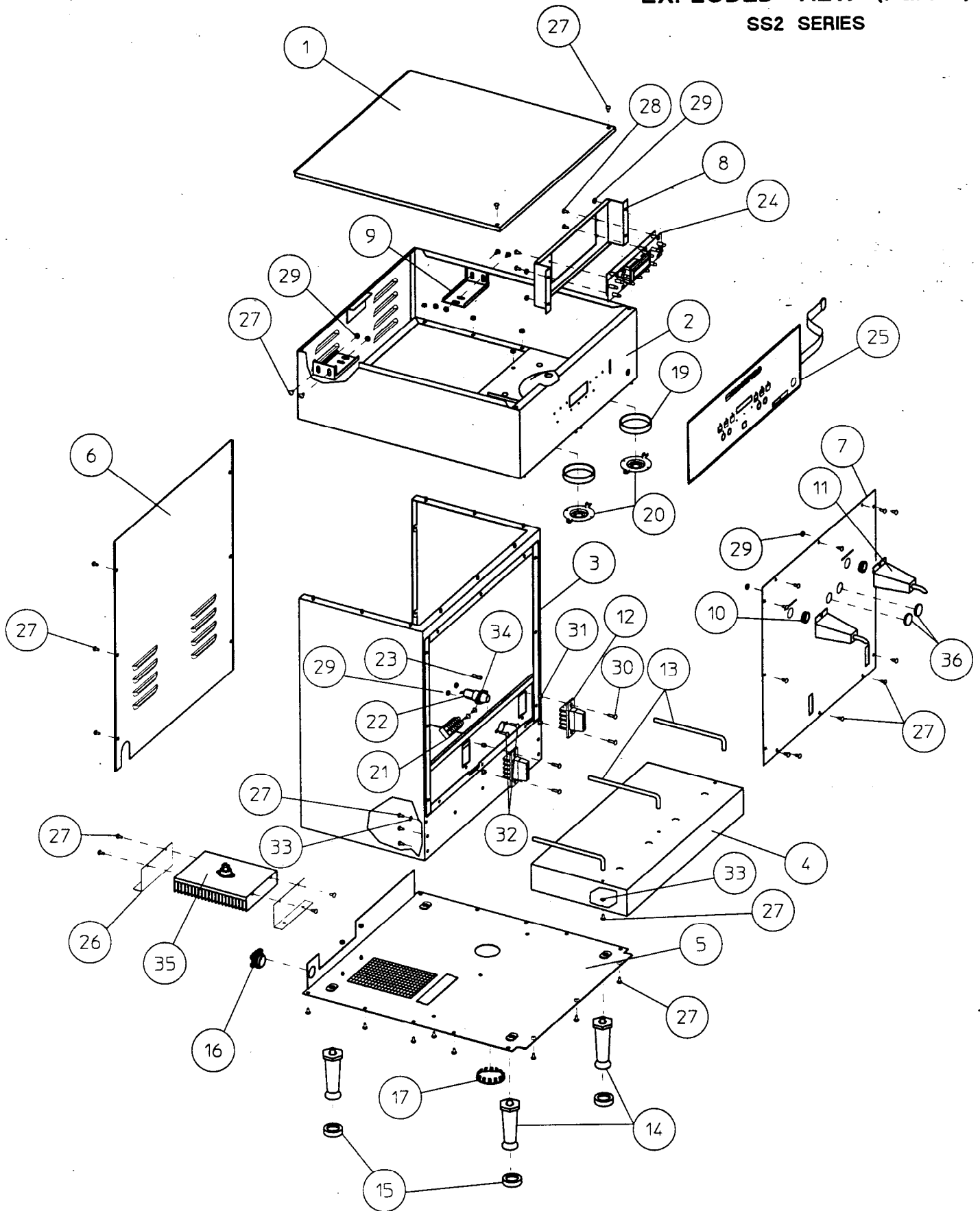
The default delay time is 3 hours, but is adjustable to between 1 hour and 5 hours. Adjusting the

Timer

To save energy and extend component life, a timer is used to select the day and time in which the brewer will automatically shut-off and restart. It is primarily a management decision on when the brewer will be used. By default, the timer is turned off:

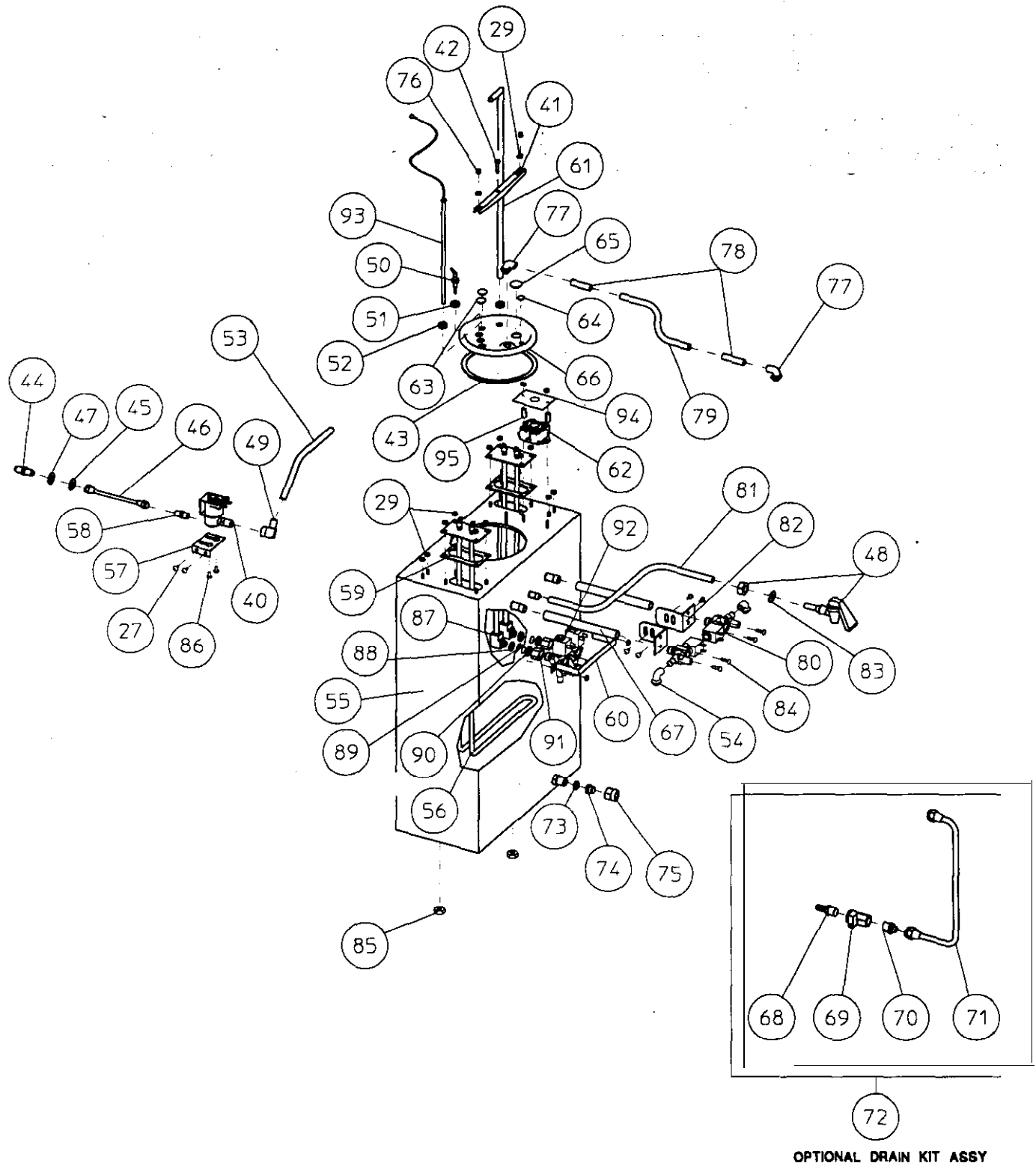
EXPLODED VIEW (Part 1)

SS2 SERIES



EXPLODED VIEW (Part 2)

SS2 SERIES



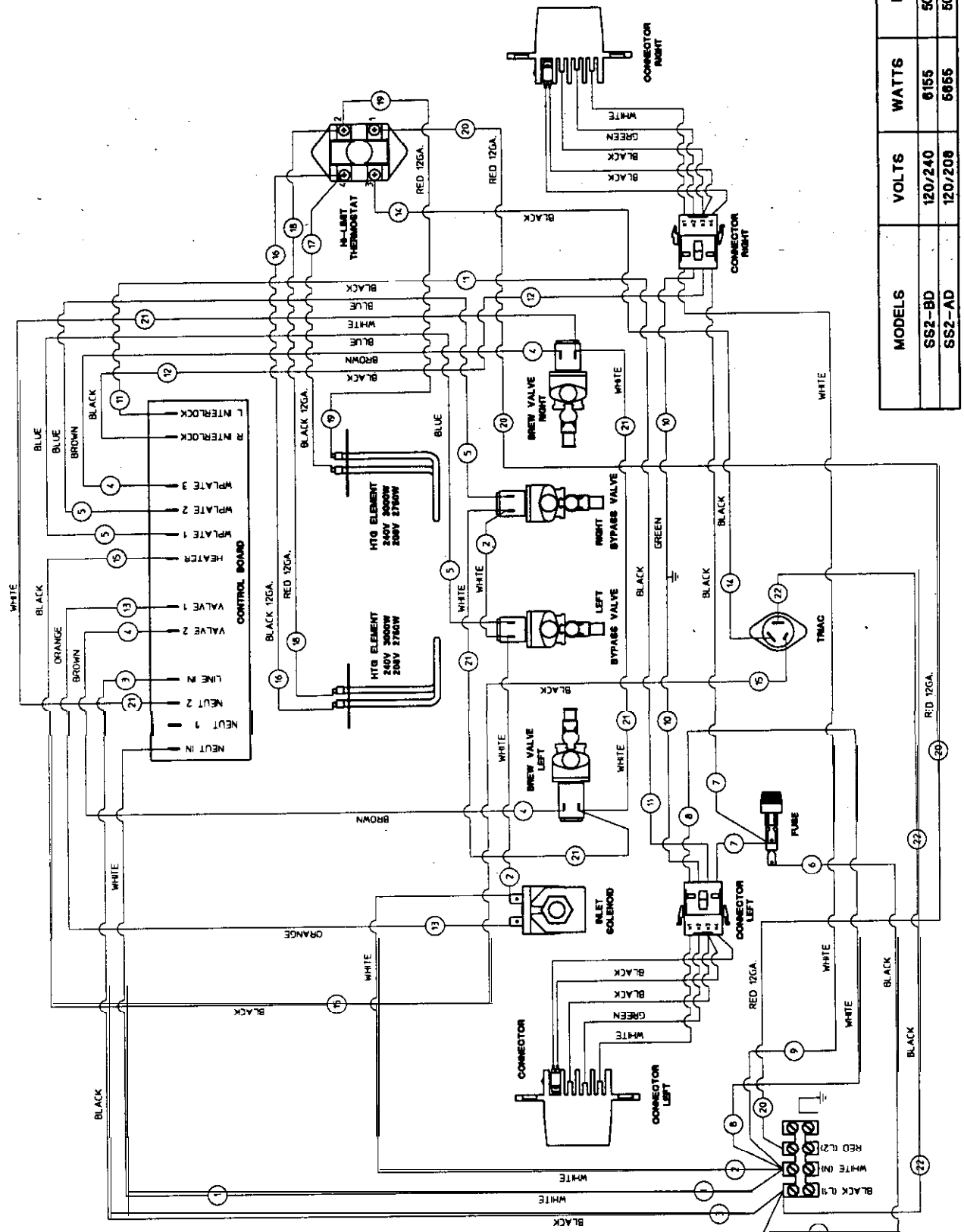
PARTS IDENTIFICATION

(SS2 TANK ASSY & PLUMBING)

ITEM	SERVICE #	DESCRIPTION	QTY
40	8541-120	VALVE SOLENOID 120V	1
41	8043-5	STRAP HOLD DOWN ASSY	1
42	8043-47	SCREW PAN 10-32 X 1 LG	1
43	8043-12	GASKET SPRAY HEAD	1
44	8812-57	FITTING UNION 1/4X1/4	1
45	8710-10	NUT HEX BR 7/16-20X1/8	1
46	8572-20	TUBE INLET ASSY	1
47	8551-53	WASHER SS 035X7/16IDX3/40D	1
48	8783-1	FAUCET HOT WATER	1
49	9102-8	ELBOW 1/4 FPT/HOSE	1
50	82114	PROBE 8783MCD	1
51	82115	GROMMET 1/4 ID TRANSLUCENT	2
52	82390	GROMMET 375 ID TRANSLUCENT	1
53	83385	TUBE INLET	1
54	83152	ELBOW SPRAYER 1/4 ID	2
55		TANK WLD ASSY SS2	1
56	83287	ELEMENT 3000W 230V	2
57		BRACKET SOLENOID VALVE SS2	1
58	8706-160	CONNECTOR	1
59	83309	GASKET TANK HEATER SS2	2
60		BRACKET BYPASS VALVE TNK SS2	2
61	83311	FILL TUBE 90DEG BEND SS2	1
62	83312	THERMOSTAT HI-LI MIT DBL POLE	1
63	83318	PLUG TANK LID 510 DIA A	2
64	83319	PLUG TANK LID 298 DIA	1
65	83320	PLUG TANK LID 687 DIA	1
66	83325	TANK LID WELDED ASSY SS2	1
67	83314	TUBE TANK TO VALVE SS2	2
68	67662	FTG BARB 3/8 TO HOSE	1
69	66575	VALVE SHUTOFF DRAIN	1
70	83379	FTG ADAPTOR 3/8 TO 5/8-18	1
71	83380	TUBE ASSY 3/8 COPPER DRAIN	1
72	83381	KIT DRAIN VALVE ASSY	1
73	83359	WASHER FLARE TANK DRAIN	1
74	83358	PLUG TANK DRAIN	1
75	83357	NUT TANK DRAIN PLUG	1
76	6043-506	NUT ACR SS 8-32	2
77	8043-11	ELBOW OUTLET	2
78	83384	TUBE VENT EXTENSION	2
79	8783-23	TUBE VENT	1
80	82729	VALVE DISPENSING ADJUST	4
81	83382	TUBE TANK TO FAUCET	1
82		BRACKET BYPASS VALVE	2
83	82148	WASHER LOCK	1
84	65001	SCREW 10-32 X 1/2	4
85	55485	NUT 1/4-20 (PACK OF 100)	1
86	D20002-3	SCREW 10-32	2
87	82741	FTG STAND PIPE	2
88	8812-70	WASHER BEVELLED	2
89	8043-30	WASHER SI LI CONE	2
90	83147	WASHER GYLON	2
91	82739	NUT STAND PIPE	2
92	83388	VALVE BYPASS ADJUSTMENT	2
93	83313	PROBE THERMISTOR	1
94	83414	SHIELD HI-LI MIT THERMOSTAT	1
95	83415	NUT 6-32 X 1 LG	2

WIRING DIAGRAM

(MODELS: SS2-BD & SS2-AD)



MODELS	VOLTS	WATTS	HZ
SS2-BD	120/240	6155	50/60
SS2-AD	120/208	6655	50/60